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## BASTL INSTRUMENTS Kastle 2 Wave Bard Experimental Sampler



### Specifications:

- **Brand:** BASTL
- **Model:** KASTLE 2
- **Functions:** Envelope Follower, FX Wizard, Pattern Generator

## Product Usage Instructions

### Envelope Follower:

The ENV output represents the loudness of the input signal. Use it to make the effects responsive to your input signal.

### Pattern Generator:

The PATTERN generates GATE (rhythm) and CV (stepped sequence) output signals, always driven by TEMPO. Turn the RHYTHM knob to select a pattern on the GATE output. Modify patterns using the G-GATE, R-RESET, and C-CV inputs. Connect the + patch point to randomize the sequence and – patch point to variate it. Use modulation for further customization.

### Sync:

Patch the LFO pulse output into the R-RESET input to alter sequence length. Connecting CV in affects the step loop behavior.

### FX Modes:

Press FX MODE to switch modes. Holding FX MODE and pressing SHIFT allows you to navigate to the previous mode.

### Power Source and Connections:

1. Power up the device using a USB-C cable or 3xAA batteries.
2. Connect audio signals to AUDIO and output devices like headphones or speakers.

### Output Volume Adjustment:

Hold SHIFT and turn the TIME knob to adjust the output volume.

### Clock Sync:

Use SYNC for external clock synchronization. The SYNC output can be used as a leader.

## Modulation Effect:

Utilize FEEDBACK MOD to adjust feedback modulation. Similar controls exist for TIME and LFO modulation.


## BUTTON COMBOS

- SHIFT + KNOB = secondary function in silver
- SHIFT + FX MODE = TAP tempo
- FX MODE = next FX MODE
- FX MODE + SHIFT = previous FX MODE
- FX MODE + AMOUNT = mod. attenuation for FX MODE input
- SHIFT + FX MODE >5s = adv. settings (input behavior etc.)

## Full manual



## PATTERN GENERATOR

- PATTERN generates GATE (rhythm) and CV (stepped sequence) output signals. They are both always driven by TEMPO .
- Turn the RHYTHM knob to select a pattern on the GATE output.
- To modify a pattern, use the PATTERN inputs G-GATE, R-RESET and C-CV. Connect the + patch point to randomize the existing sequence. Unplug, once you have something fun. Plug the – patch point to variate the sequence. You can use modulation too!
- Patch the LFO  pulse output into PATTERN R-RESET input to alter sequence length.

## ENVELOPE FOLLOWER

ENV output represents the loudness of the input signal. Use it to make the effects responsive to your input signal.

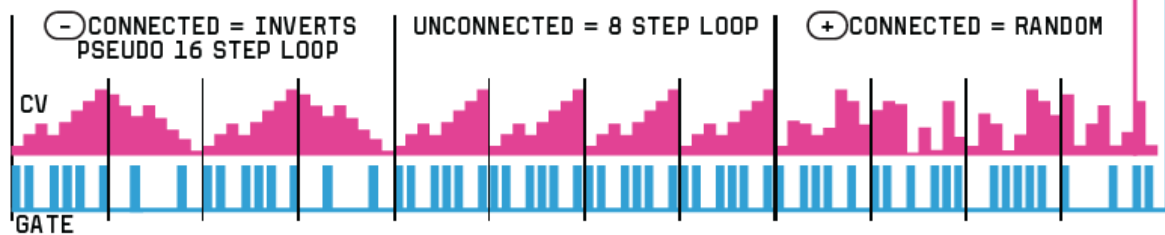
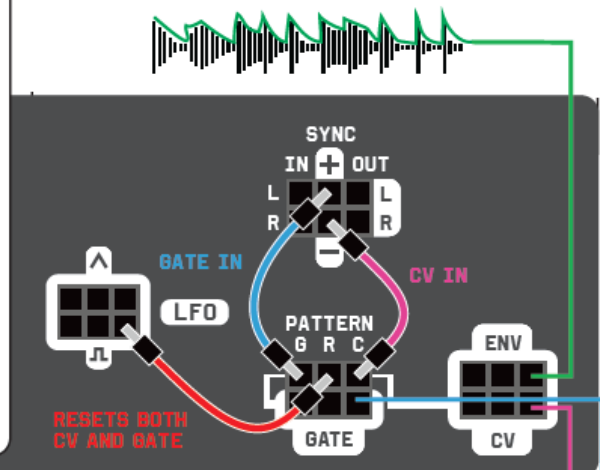
## PATTERN GENERATOR

PATTERN generates **GATE** (rhythm) and **CV** (stepped sequence) output signals. They are both always driven by **TEMPO**.

Turn the **RHYTHM** knob to select a pattern on the GATE output.

To modify a pattern, use the PATTERN inputs **G-GATE**, **R-RESET** and **C-CV**. Connect the **(+)** patch point to randomize the existing sequence. Unplug, once you have something fun. Plug the **(-)** patch point to variate the sequence. You can use modulation too!

Patch the LFO **(JL)** pulse output into PATTERN **R-RESET** input to alter sequence length.



**Press FX MODE = next mode. Hold FX MODE + press SHIFT = previous mode.**

**1. DELAY**

DELAY TIME

DRY/WET

SYNC TIME

FEEDBACK

The echo sound full of life.

**2. FLANGER**

MOD RATE

MOD DEPTH

FLANGER

CHORUS

RESET MOD

FEEDBACK

Add movement by detuning.

**3. FREEZER**

SYNCD TONAL

FREEZE

FREEZE RATE

ADD NEW AUDIO MORE DENSE

DRY/WET

NEW FREEZE

FEEDBACK

Freeze bits of incoming sound.

**4. PANNER**

MOD RATE

MOD AMOUNT

RESET MOD

FEEDBACK

Move left/right & move around.

**5. CRUSHER**

DOWNSAMPLE

SAMPLE RATE

BITCRUSH

AMOUNT

SWEEP RATE

FEEDBACK

Digital bits & steps destroyer.

**6. SLICER**

PATTERN

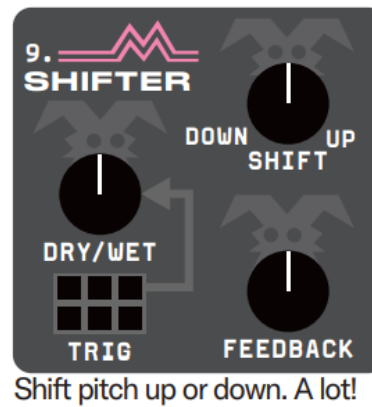
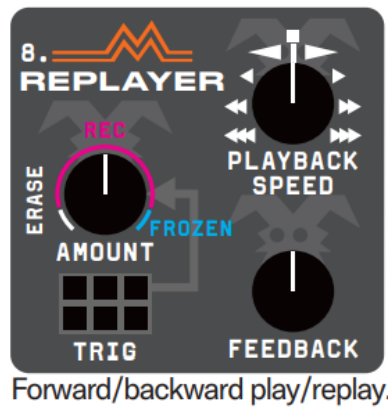
ADD RANDOMNESS

ENV DECAY

ENV TRIG

FEEDBACK

Cut out small transients.



Well met, apprentice!

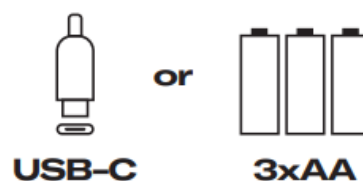
In this guide we shall summon the mighty

FX WIZARD! Art thou ready?

## USEING INSTRUCTION

### POWER SOURCE

Plug in a USB-C cable or insert 3x AA batteries.



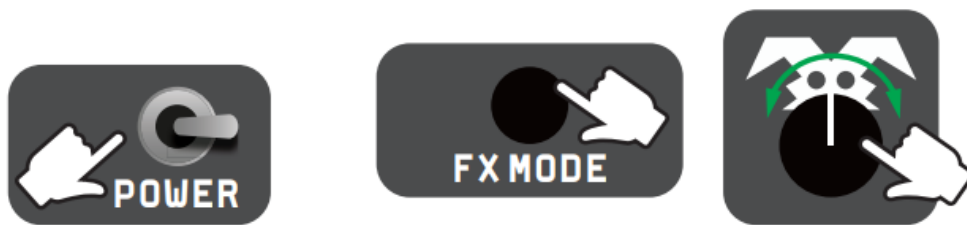
### CONNECTIONS

Connect your chosen signal to AUDIO ▼ and your headphones, mixer, or speakers to AUDIO ▲.



### POWER UP

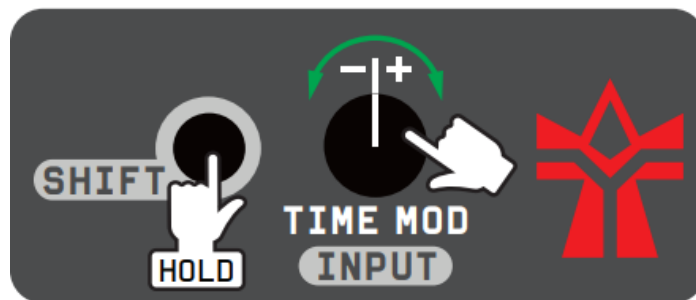
Flip the POWER switch to the right.



## INPUT GAIN

Hold SHIFT and turn the TIME MOD knob to set the INPUT gain.

Follow the light indicator – avoid the RED!



! Silver labels are active when holding the SHIFT button.

## OUTPUT VOLUME

Hold SHIFT and turn the TIME knob to adjust the output VOLUME . Can You Hear Me?



## MEET THE WIZARD

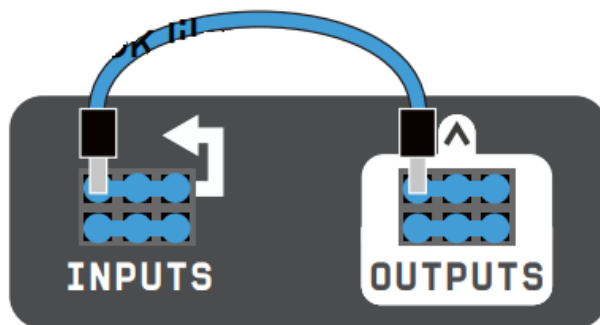
Press the FX MODE button to switch effects. Explore the effects by turning the White Rabbit knobs.

Use the map on the first page.



## TIME FOR MAGIC!

Start patching: connect some outputs to inputs. This is what they look like:



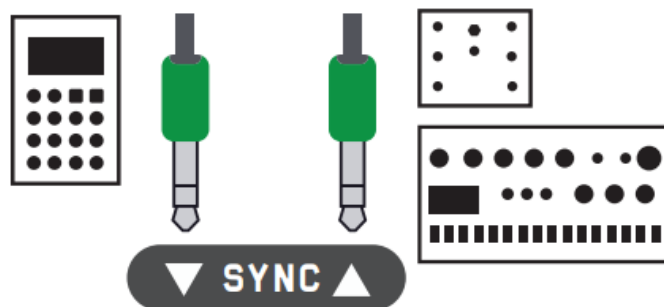
Most sets of 3 points in a row are connected. Use any of them.

Feel free to experiment – NOTHING CAN BREAK!

Knobs without rabbits control modulation and take effect only when you start patching.

## CLOCK SYNC

Use SYNC ▼ to synchronize with an external clock. The FX Wizard will follow. To be the leader, use the SYNC ▲ out.



## TEMPO

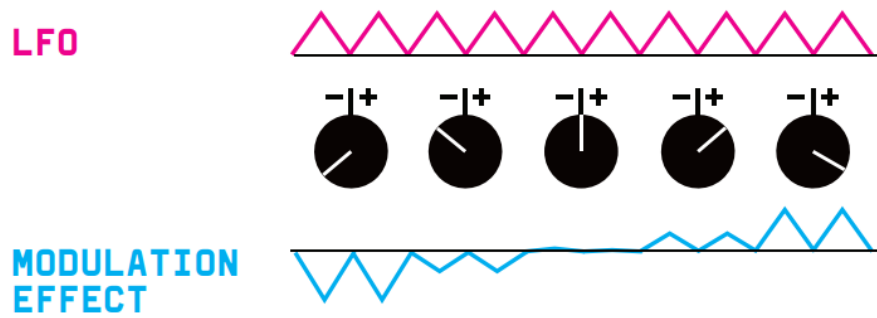
To set the tempo, hold SHIFT and turn the TEMPO knob.

To tap the tempo, hold SHIFT and press TAP a few times.

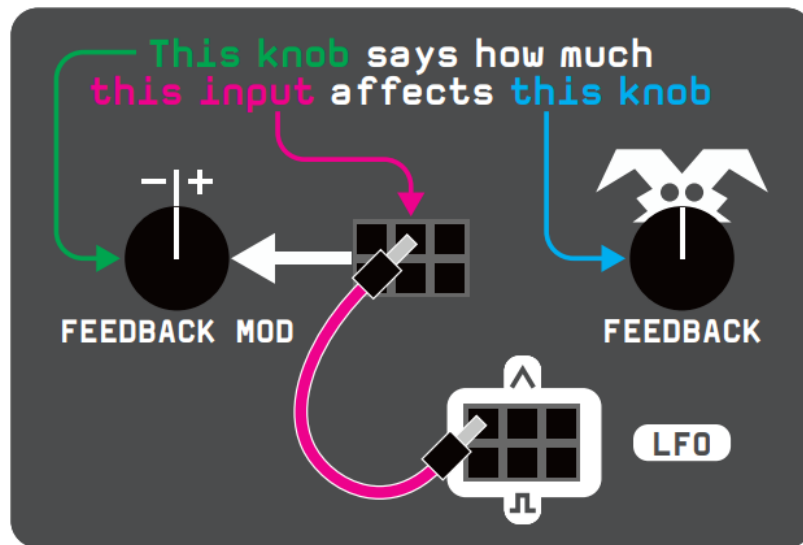
If using SYNC ▼ in, the TEMPO knob sets the tempo multiplier/divider.

To trully master the ways of FX MAGIC,learn the ways of modulation!

## MODULATION MAGIC



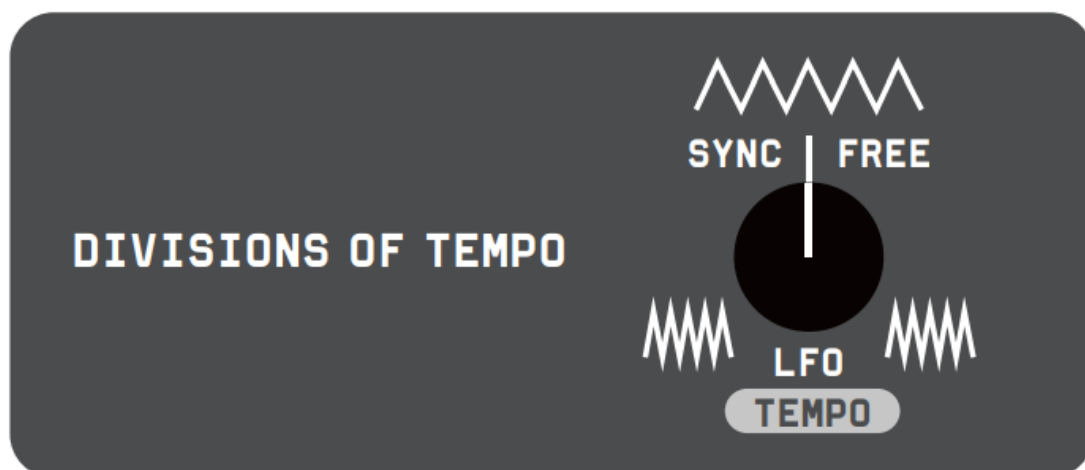
Use FEEDBACK MOD to adjust the amount of FEEDBACK modulation. The same goes for TIME and LFO.



**TIP:** Use CV to switch between FX modes!

Press FX MODE and turn AMOUNT to adjust the amount of FX MODE modulation.

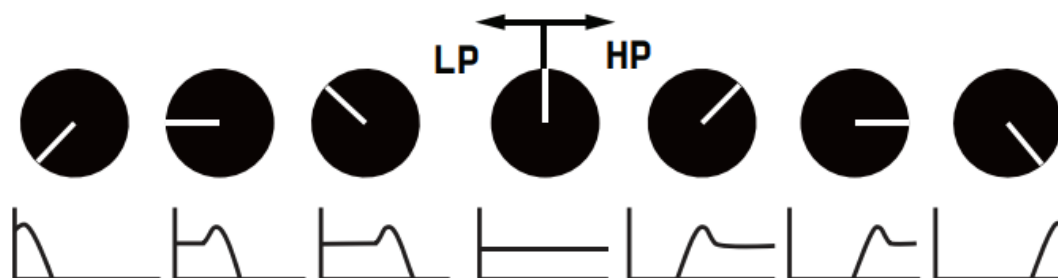
## LFO



LFO generates cycling triangle and pulse waveforms. Adjust the speed with the LFO knob:

- to the right for free running,
- to the left to sync with the tempo.

## FILTER & STEREO



Use FILTER to make your sound:

- brighter – HP (highpass) cuts bass,
- darker – LP (lowpass) cuts treble.

Use STEREO to make the sound WIDER!

## FAQ

**Q: How do I navigate through different FX modes?**

**A:** Press the FX MODE button to cycle through different modes. Hold FX MODE and press SHIFT to go back to the previous mode.

**Q: How do I adjust the output volume?**

**A:** Hold SHIFT and turn the TIME knob to adjust the output volume of the device.

**Q: How do I power up the device?**

**A:** Flip the POWER switch to the right or use a USB-C cable or 3xAA batteries for power.

## Documents / Resources



[BASTL INSTRUMENTS Kastle 2 Wave Bard Experimental Sampler \[pdf\]](#) |  
Instruction Manual  
206x106, Kastle 2 Wave Bard Experimental Sampler, Kastle 2, Wave Bard Experimental Sampler, Bard Experimental Sampler, Experimental Sampler, Sampler

## References

- [User Manual](#)

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INSTRUMENTS

◆ 206x106, Bard Experimental Sampler, BASTL INSTRUMENTS, Experimental Sampler, Kastle 2, Kastle 2 Wave Bard Experimental Sampler, SAMPLER, Wave Bard Experimental Sampler

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